IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	: Ping Liu, et al.	Art Unit	: 2832
Serial No.	: 10/558,844	Examiner	: Unknown
Filed	: October 5, 2006	Conf. No.	: 7080
Title	: ELECTRICAL SWITCH		

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE TO RESTRICTION REQUIREMENT

Responsive to the action mailed February 25, 2008, applicant elects Species 1 (FIGS. 1 and 4a – 9c) without traverse. At least claims 7-12, 14-15 and 17 are shown in FIGS. 1 and 4a-9c as described below. In addition, claims 7 and 17 are generic to all species at least because one or more features of claim 7 and 17 are shown in all of the figures as described below.

Claims 7 and 17

Claims 7 and 17 are generic to all figures at least because all of the figures represent various views of one or more switches that include all of the claimed features. See below for examples of claimed features shown in each figure.

FIGS. 1-9c show various states of the switches and include contacts such as d1 (movable), d2 (movable), f1 (fixed), f2 (fixed), f3 (fixed), f4 (fixed). FIG. 10 shows the vertical bolt switch, and the vertical bolt is a holding mechanism.

FIG. 11 shows the closed state of switch maintained by the pothook mechanism E1, which is a part of the holding mechanism.

FIG. 12 shows a cross sectional view of a baffle mechanism E1, which is a holding mechanism.

FIG. 13 shows the structure of the movable bolt 19, which is a connecting and breaking mechanism.

FIG. 14 shows the holding mechanism, pothook E1.

FIG. 15 also shows pothook E1, which is a holding mechanism.

FIG. 16 shows current limiting mechanism.

FIG. 17 shows K1, which is a connecting and breaking mechanism. Fig. 18 shows E1, which is a holding mechanism and movable contact 14.

FIG. 18 shows contacts 14 and 17.

FIG. 18(a) shows contact K.

FIG. 19 shows holding mechanism E1.

FIG. 20 shows contacts 14 and 17.

FIG. 21 shows contacts 14 and 17 and holding mechanism E1.

FIG. 22 shows holding mechanism E1.

FIG. 23 shows holding mechanism E1.

FIGS. 24 and 25 show over-current element 25.

FIGS. 26-27 show holding mechanism E1.

FIG. 28 shows connecting shaft B1.

FIG. 29 shows the structure of the protector and housing that accommodates contacts.

FIGS. 30 shows switch K1 that breaks the contact under the elastic force of spring Z6.

FIG. 31 shows the structure of the contact of the mechanical-electrical protector.

FIG. 32 shows switch K1 that includes contacts.

FIG. 33 shows phase failure circuit.

FIG. 34 shows connecting shaft B3.

FIGS. 35-36 show switch K1 that includes contacts.

FIG. 37 shows the overload bar in the protector.

FIG. 38 shows the structure of the bracket 76 that fix the over-current bar B2.

FIGS. 39-40 show movable arc contact with movable contact T1, stationary contact T2

FIGS. 41-43 show contacts 14 and 17.

FIG. 44 shows holding mechanism E1.

FIG. 45 show contacts 14 and 17.

FIGS. 46-47 show holding mechanism E1.

FIG. 48 shows movable arc contact with movable contact T1, stationary contact T2

FIG. 49 shows a top view showing the switch shown in FIG. 48 (TI and T2 contacts) in which it has assistant contact and the slide way.

FIG. 50 shows a cross sectional view of the switch shown in FIG. 48 (T1 and T2 contacts)

that includes contacts 14 and 17.

FIG. 51 shows contacts d1 (movable), d2 (movable), f1 (fixed), f2 (fixed), f3 (fixed), f4 (fixed).

FIG. 52 shows contact 17.

FIGS. 53 and 54 show positions of turnbutton.

FIGS. 55 (a)-(b) show contacts d1 (movable), d2 (movable), f1 (fixed), f2 (fixed), f3 (fixed), f4 (fixed).

FIG. 56 shows holding mechanism E1.

FIG. 57 shows the structure of the attracting iron in the switch shown in FIGS. 48, 49, 50 and 52 (which include T1 and T2 contacts).

FIG. 58 shows the structure of the pushing bar in the switch shown in FIGS. 48, 49, 50 and 52 (which include T1 and T2 contacts).

FIG. 59 shows the structure of the insulating bracket.

Claim 8

At least the Coil (W1) is shown in FIGS. 1-3.

Claim 9

Over-current limiting mechanism (W3) is shown in FIGS. 1-3, 10, 11, 12, 17, 18, 19, 20, 21, 26, 29, 41, 44, 50, 51,

Claim 10

Over-current limiting W3 is shown in FIGS. 1-3, 10, 11, 12, 17, 18, 19, 20, 21, 26, 29, 41, 44, 50, 51,

Claim 11

Selection switch is shown in FIGS 4(a)-4(b)

Claim 12

Selection switch is shown in FIGS 4(a)-4(b)

Claim 14

Selection switch is shown in FIGS 4(a)-4(b)

Claim 15

Selection switch is shown in FIGS 4(a)-4(b)

Please apply the three month extension of time fee and any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: June 25, 2008

/Hwa C. Lee/
Hwa C. Lee
Reg. No. 59,747

Fish & Richardson P.C.
12390 El Camino Real
San Diego, California 92130
Telephone: (858) 678-5070
Facsimile: (877) 769-7945

10843926.doc